



WATERPROOFING

APPLICATIONS

ROOFS

SOPRASTAR FLAM GR

TECHNICAL DATA SHEET

ANZ-TDS-103-SOPRASTAR FLAM GR

DESCRIPTION

SOPRASTAR FLAM GR is a high performance cap sheet membrane composed of SBS modified bitumen and a composite reinforcement. The surface is protected by high reflective white granules and the underface is covered with a thermofusible plastic film.

SOPRASTAR FLAM GR is features DUO SELVEDGE technology which allows the immediate sealing of the membrane along side laps.

APPLICATION FIELD

Designed for double layer application on horizontal surfaces, SOPRASTAR FLAM GR is adhered on different substrates for the following general applications:

- General roofing

APPLICATION METHOD

SOPRASTAR FLAM GR is fully heat welded using a propane torch or using SOPREMA's MINI MACADEN machine.

INSTALLATION PROCEDURE

PRIMING

- When installed as a top layer over the base sheet membrane, a primer is not required.
- When installed over concrete or metal surface prime with ANTIROCK PRIMER at the rate specified in TDS.

INSTALLATION

- Unroll membrane sheets onto the roof surface.
- Starting at the low point of the roof, lay out the membrane to ensure the plies are installed perpendicular to the roof slope, shingled to prevent back-water laps.
- Ensure specified side-laps and end-laps are maintained. End-laps should be staggered 1 m apart.
- As the membrane ply is unrolled, apply heat to the underside of the ply until the thermofusible plastic film melts sufficiently for full adhesion to the substrate, and full adhesion between plies.
- For hand-held roof torches, continuously move the torch side-to-side across the underside of the roll to melt the bitumen while continuously unrolling sheet. While unrolling and heating the sheet, ensure approximately 6 to 12 mm of hot bitumen flows ahead of the roll, and that there is 3 to 6 mm bleed out on all laps. Ensure all side-laps are fully adhered and sealed watertight.
- Adjust application methods to accommodate varying environmental conditions as necessary to achieve the desired results.
- At the 150 mm end-laps ensure a fully adhered watertight seal. Melt the thermofusible plastic film or embed granules and remove other membrane surfacing, where present, using a torch or hot-air welder.
- All penetrations and upturn details should be waterproofed as per SOPREMA Installation Guides and detail drawings.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

High puncture resistance

High tear resistance

Cold application, flameless solution

High dimensional stability

SRI of 90



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PACKAGING

SPECIFICATIONS	SOPRASTAR FLAM GR
Thickness	4.0 mm
Surface	High reflective white granules
Underface	Thermofusible plastic film
Selvedge width	100 mm
Roll dimensions	8 m x 1 m
Roll weight	39.2 kg

PROPERTIES

PROPERTIES	STANDARDS	SOPRASTAR FLAM GR	
		BEFORE Heat Conditioning	AFTER Heat Conditioning
Reinforcement	-	Composite	
Strain energy, min MD/XD At 23 °C ± 2 °C At -18 °C ± 2 °C	CSA A123.23-15, Type C, Grade 1	8/6.0 kN/m 6/5.5 kN/m	7.5/7.0 kN/m 6.5/5.5 kN/m
Peak load, min MD/XD At 23 °C ± 2 °C At -18 °C ± 2 °C		21/14 kN/m 21/17 kN/m	19/15 kN/m 21/16 kN/m
Elongation at peak load, min MD/XD At 23 °C ± 2 °C At -18 °C ± 2 °C		55/60 % 30/30 %	45/50 % 35/37 %
Ultimate elongation, at 23 °C ± 2 °C MD/XD		60/70 %	53/61 %
Dimensional stability, max MD/XD		±0.3/±0.1 %	
Low temperature flexibility, max MD/XD		-30 / -30 °C	-18 / -18 °C
Low temperature flexibility after UV weathering max MD/XD		Pass	
Compound stability at 91°C		121 / 121 °C	
Resistance to puncture		Pass	
Granule embedment		Pass	

STORAGE AND HANDLING

Rolls must be stored upright, with the selvedge side on top. If stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by the Commonwealth or State Legislation. The owner, their representative and/or the contractor are responsible for checking the suitability of products for their intended use.



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NOTE : ALL products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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